

ASSIGNMENT 3

Textbook Assignment: "Preventive Dentistry," chapter 3, pages 3-1 through 3-20; and "Operative Dentistry," chapter 4, pages 4-1 through 4-27.

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|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3-1. | The formulation, supervision, and execution of the Preventive Dentistry Program is found in what SECNAV instruction? | 3-7. | The water supply pressure of an ultrasonic scaling unit has a maximum range of how many psi? |
| | <ol style="list-style-type: none">1. 6600.12. 6600.23. 6600.34. 6600.5 | | <ol style="list-style-type: none">1. 602. 403. 254. 15 |
| 3-2. | Which of the following meanings best describes the term prophylaxis? | 3-8. | What ultrasonic tip is most commonly used for supra and subgingival calculus deposits? |
| | <ol style="list-style-type: none">1. Prevention of disease2. Prevention of calculus3. Prevention of bone loss4. Prevention of stain | | <ol style="list-style-type: none">1. Beaver-tail2. Chisel3. Universal4. Periodontal probe |
| 3-3. | Patients with subgingival calculus will have an appointment with which of the following dental personnel? | 3-9. | The working end of the instrument tip of an ultrasonic scaler should be adapted to what degree angle to the long axis of the tooth? |
| | <ol style="list-style-type: none">1. Expanded duty preventive dentistry technician2. Dental hygienist3. Dentist4. Both 2 and 3 above | | <ol style="list-style-type: none">1. 0 to 52. 10 to 153. 15 to 204. 20 to 25 |
| 3-4. | When positioning a patient for an oral prophylaxis, at what degree should the back of the patient's chair be angled? | 3-10. | The air polishing unit uses which of the following materials to operate? |
| | <ol style="list-style-type: none">1. 152. 203. 254. 35 | | <ol style="list-style-type: none">1. Air2. Water3. Sodium bicarbonate4. All of the above |
| 3-5. | What phase, if any, is included in the screening examination of a scaling procedure? | 3-11. | Which of the following areas should be avoided while using the air polishing unit? |
| | <ol style="list-style-type: none">1. Periodontal charting2. Examination of patient's personal tooth brush3. Examination of the teeth and gingival tissues4. None | | <ol style="list-style-type: none">1. Enamel2. Soft tissue3. Heavy stained teeth4. Middle one-third of the tooth |
| 3-6. | Cavitation aids in the mechanical removal of what two substances by the vibrating tip? | 3-12. | Which of the following sonic scaler tips is recommended for patients who experience sensitivity? |
| | <ol style="list-style-type: none">1. Plaque and carries2. Calculus and carries3. Plaque and calculus4. Calculus and gingivitis | | <ol style="list-style-type: none">1. Sickle2. Perio3. Beaver4. Universal |

- 3-13. Fogging of the mouth mirror can be prevented by which, if any, of the following methods?
1. Using a disinfection solution
 2. Having the patient breathe through the mouth
 3. Running the mirror under cold water
 4. None of the above
- 3-14. Which of the following is NOT an instrument grasp?
1. Pen
 2. Palm
 3. Finger
 4. Modified pen
- 3-15. What teeth of the mouth are scaled last using a systematic routine?
1. Maxillary anterior
 2. Mandibular anterior
 3. Left maxillary posterior
 4. Right maxillary posterior
- 3-16. Dental technicians are only allowed to remove calculus in what areas of the mouth?
1. Sublingual
 2. Submandibular
 3. Subgingival
 4. Supragingival
- 3-17. Which of the following methods is the easiest way to detect supragingival calculus?
1. Visually
 2. Tactile
 3. Disclosing agent
 4. Disinfection agent
- 3-18. How many basic scaling strokes are there?
1. One
 2. Two
 3. Three
 4. Four
- 3-19. Which scaling stroke is made at a 45° angle to the long axis of the tooth?
1. Oblique
 2. Vertical
 3. Horizontal
 4. Exploratory
- 3-20. Tooth polishing removes what types of materials from the teeth?
1. Overhangs
 2. Plaque and stains
 3. Plaque and calculus
 4. All of the above
- 3-21. At what speed should a handpiece with a prophylaxis attachment run?
1. Slow
 2. Medium
 3. Fast
 4. Both 2 and 3 above
- 3-22. When polishing teeth, what type of motion should a rubber cup be in to keep contact with the tooth?
1. Bouncing
 2. Constant
 3. Vertical
 4. Horizontal
- 3-23. After a fluoride treatment, patients should not rinse, drink, eat, or smoke for at least how many minutes?
1. 1 0
 2. 2 0
 3. 3 0
 4. 4 0
- 3-24. To prevent dental disease, at least how often during a 24-hour period should bacterial plaque be removed?
1. Once
 2. Twice
 3. Three times
 4. Four times
- 3-25. Which of the following toothbrushing techniques is effective for a patient to perform?
1. Electric
 2. Overhand
 3. Modified Bass
 4. Modified Tooth
- 3-26. To properly floss, about how many inches of floss should you cut off?
1. 1 2
 2. 1 8
 3. 2 4
 4. 3 6

- 3-27. What device is used to direct floss in between abutments and beneath pontics?
1. Toothpick
 2. Oral irrigator
 3. Floss threader
 4. Interdental proximal brush
- 3-28. To what surfaces on a tooth will pit and fissure sealants bond?
1. Facial and lingual
 2. Mesial and distal
 3. Cusp and mamelons
 4. Depressions and grooves
- 3-29. Sealants are highly effective in preventing pit and fissure caries in which of the following teeth?
1. Premolars and molars
 2. Premolars and incisors
 3. Incisors and molars
 4. All of the above
- 3-30. A rubber dam is the only method of isolation to be used for the application of pit and fissure sealants.
1. True
 2. False
- 3-31. What percent of phosphoric acid solution is used to etch teeth for pit and fissure sealants?
1. 10 to 20
 2. 20 to 30
 3. 30 to 50
 4. 90 to 100
- 3-32. What type of appearance will the area of a tooth have that has been etched, washed, and dried?
1. Smooth
 2. Frosted
 3. Pitted
 4. Dark
- 3-33. Which of the following is the most common reason for sealant failure?
1. Expired material
 2. Insufficient curing time
 3. Contamination of the material
 4. Contamination of the etched surface
- 3-34. Operative dentistry is concerned with the prevention and treatment of defects of what tooth surfaces?
1. Enamel and cementum
 2. Enamel and dentin
 3. Dentin and cementum
 4. Cementum only
- 3-35. Which of the following instruments is used primarily to remove debris from tooth cavities?
1. Hoes
 2. Chisels
 3. Hatchets
 4. Spoon excavators
- 3-36. An even-numbered gingival margin trimmer is designed for use on which of the following tooth surfaces?
1. Mesial
 2. Distal
 3. Facial
 4. Lingual
- 3-37. An odd-numbered gingival margin trimmer is designated for use on which of the following tooth surfaces?
1. Mesial
 2. Distal
 3. Facial
 4. Lingual
- 3-38. What type of working end does an amalgam carrier have for transportation?
1. Solid
 2. Layered
 3. Pointed
 4. Hollow
- 3-39. An amalgam condenser is often referred to as which of the following instruments?
1. Carvers
 2. Burnishers
 3. Pluggers
 4. Carriers

- 3-40. Which of the following instruments is designed for carving proximal tooth surfaces?
1. Tanner #5
 2. #1/2 Hollenback
 3. Frahm 2/3
 4. Cleoid-discoid
- 3-41. Which of the following advantages will occur to composite restorations when using a plastic instrument?
1. Will not discolor
 2. Will not bend
 3. Will not melt
 4. Will not break
- 3-42. What number spatula is used to mix small quantities of cement?
1. 313
 2. 322
 3. 324
 4. 324A
- 3-43. What length needle measured in inches is normally used for mandibular injections?
1. 1 1/4
 2. 1 3/4
 3. 1 7/8
 4. 1 13/16
- 3-44. The working end of a rubber dam punch is designed with which of the following mechanisms?
1. Plunger and spindle
 2. Plunger and wheel
 3. Wheel and spindle
 4. Spindle and clamp
- 3-45. A "W" prefix on a rubber dam clamp indicates which of the following designs?
1. Without clamp
 2. Without wrapper
 3. Without slipping
 4. Without wings
- 3-46. Which of the following rubber dam frames is the most popular?
1. "A" frame
 2. Young
 3. Wizard
 4. Woodbury
- 3-47. What type of material is always tied around a rubber dam clamp before placement in the mouth?
1. Floss
 2. Dental chain
 3. Rubber latex
 4. Clamp retriever
- 3-48. Which of the following types of matrix bands is most commonly used in restorative dentistry?
1. Wide #2
 2. Junior #13
 3. Precontoured
 4. Straight #1
- 3-49. Extensions on the Wide #2 matrix bands are known by which of the following terms?
1. Bumps
 2. Aprons
 3. Wings
 4. Circles
- 3-50. Which of the following is the most commonly used matrix retainer?
1. Universal #1
 2. Universal adult
 3. Universal straight
 4. Universal contra-angled
- 3-51. Wood or clear plastic wedges measure about how long in length?
1. 1 inch
 2. 1/2 inch
 3. 3/4 inch
 4. 1/4 inch
- 3-52. The operator's zone for a right handed dentist is located between which of the following positions?
1. 1 and 3 o'clock
 2. 2 and 4 o'clock
 3. 5 and 8 o'clock
 4. 8 and 11 o'clock
- 3-53. The assistant's zone for a right handed dentist is located between which of the following positions?
1. 1 and 3 o'clock
 2. 2 and 4 o'clock
 3. 5 and 8 o'clock
 4. 8 and 11 o'clock

- 3-54. The transfer zone is located between which of the following positions?
1. 8 to 11 o'clock
 2. 2 to 4 o'clock
 3. 3 to 6 o'clock
 4. 4 to 8 o'clock
- 3-55. The static zone is located between which of the following positions?
1. 8 to 11 o'clock
 2. 11 to 1 o'clock
 3. 11 to 2 o'clock
 4. 4 to 8 o'clock
- 3-56. How many inches should the dentist's eyes be from the treatment site if the patient is properly positioned?
1. 5 to 12
 2. 14 to 16
 3. 18 to 36
 4. None of the above
- 3-57. In what zone will the instrument exchange between the dentist and the assistant take place?
1. Operator's
 2. Assistant's
 3. Transfer
 4. Static
- 3-58. Dental materials are exchanged between the dentist and the assistant in what zone?
1. Operator's
 2. Assistant's
 3. Transfer
 4. Static
- 3-59. The needle end of a carpule is sealed with a rubber membrane held in place by what type of material?
1. Metal band
 2. Rubber band
 3. Copper band
 4. Plastic band
- 3-60. If you must recap a needle, what technique, if any, should be used?
1. One-handed scoop
 2. Two-handed scoop
 3. Twist and turn scoop
 4. None
- 3-61. What device is used to remove blood, pus, saliva, and debris from the oral cavity?
1. Low-volume ejector
 2. High-volume ejector
 3. High-volume evacuator
 4. High-volume aspirator
- 3-62. What type of cavity is present when three or more surfaces are involved?
1. Large
 2. Small
 3. Medium
 4. Complex
- 3-63. When the dentist has finished removing the tooth structure in a cavity preparation, what type of feeling will the dentin have when felt by an explorer?
1. Firm
 2. Loose
 3. Brittle
 4. Semi-hard
- 3-64. What is the last cutting step in the preparation of the cavity?
1. Finishing the tooth walls
 2. Finishing the dentin walls
 3. Finishing the enamel walls
 4. Finishing the occlusal walls
- 3-65. Stubborn particles of debris may be removed from a cavity preparation by which of the following materials?
1. Alcohol
 2. 2 x 2 gauze
 3. 4 x 4 gauze
 4. Small cotton pellet
- 3-66. What two materials are used in a cavity preparation to protect the pulp?
1. Bases and resins
 2. Fluoride and amalgam
 3. Bases and cavity liners
 4. Cavity liners and amalgam
- 3-67. What material is used to seal the dentinal tubules to help prevent microleakage in a cavity preparation?
1. Bases
 2. Cements
 3. Amalgam
 4. Cavity varnish

- 3-68. When the dentist is making the final adjustment to the matrix, which of the following steps should the dental assistant be preparing?
1. Changing the bur in the hand piece
 2. Placing the precapsulated amalgam in the amalgamator
 3. Charting the completed restoration in the dental record
 4. All of the above
- 3-69. What instrument will the dentist use to bring any excess mercury from the amalgam to the top of the restoration?
1. Carver
 2. Hatchet
 3. Burnisher
 4. Mouth mirror
- 3-70. What BUMED instruction contains information on the Mercury Control Program?
1. 6260.30
 2. 6260.20
 3. 6360.30
 4. 6360.20
- 3-71. Which of the following materials may be used to remove any roughness or overhang of an amalgam restoration in the proximal area?
1. Dental tape
 2. Dental floss
 3. Metal filing strip
 4. Plastic filing strip
- 3-72. Which of the following composite resins is available for use in operative dentistry?
1. Hybrid
 2. Microfilled
 3. Macrofilled
 4. All of the above
- 3-73. What composite shade will appear if the tooth becomes dehydrated?
1. Darker
 2. Lighter
 3. Transparent
 4. Chalky white
- 3-74. What type of matrix may be placed on the tooth before the acid etching procedure begins?
1. Wood
 2. Metal
 3. Rubber
 4. Celluloid
- 3-75. Glass ionomer cement will bond directly with which of the following tooth surfaces?
1. Enamel
 2. Dentin
 3. Cementum
 4. All of the above